ABSTRACT

An object is to provide a sound generation method for basic information having chaos and fractal, so that a sound is generated by converting basic information having chaos and fractal into data that are numerically operable, by calculating characteristics of chaos and fractal from the basic information, which has chaos and fractal, and by applying a generation rule to the data of chaos and fractal.

This objective is achieved by a sound generation method for basic information having chaos and fractal, the method comprising a basic information converting process, which converts basic information having chaos and fractal into data that are numerically operable, a chaotic space generating process, which calculates a chaos attractor and a fractal feature on the basis of the data converted by the basic information converting process and generates a chaotic space, a fractal space generating process, which generates a fractal space, and a sound generating process, which generates a sound file, in compliance with a predetermined sound generation rule, from the data in the chaotic space and the fractal space generated by the chaotic space generating process and the fractal space generating process.